



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/885,731	06/20/2001	Glen H. Erikson	E1047/20056

CONFIRMATION NO. 6800

03000

CAESAR, RIVISE, BERNSTEIN,
COHEN & POKOTILOW, LTD.
12TH FLOOR, SEVEN PENN CENTER
1635 MARKET STREET
PHILADELPHIA, PA 19103-2212

FORMALITIES LETTER



OC000000007645975

RECEIVED
MAR 20 2002

COPY

CAESAR, RIVISE, BERNSTEIN
COHEN & POKOTILOW, LTD.

Date Mailed: 03/15/2002

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS
CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE
DISCLOSURES**

Applicant is given **TWO MONTHS FROM THE DATE OF THIS NOTICE** within which to file the items indicated below to avoid abandonment. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

- A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).

For questions regarding compliance to these requirements, please contact:

- For Rules Interpretation, call (703) 308-4216
- To Purchase PatentIn Software, call (703) 306-2600
- For PatentIn Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov

*A copy of this notice **MUST** be returned with the reply.*

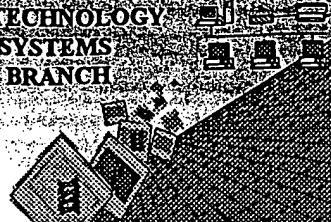
Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

**RAW SEQUENCE LISTING
ERROR REPORT**

BIOTECHNOLOGY
SYSTEMS
BRANCH



0.570
3/1

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/885,731A
Source: 1655
Date Processed by STIC: 2/5/2002

RECEIVED

FEB 13 2002

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER
VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission
User Manual - ePAVE)

2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202

3. Hand Carry directly to:

U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

Or

U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202

4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

COPY

Raw Sequence Listing Error Summary

ERROR DETECTED **SUGGESTED CORRECTION** SERIAL NUMBER: 09/885,731A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to J; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (ii) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence *do not combine response*
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

COPY

65 <223> OTHER INFORMATION: Description of Artificial Sequence: variant of sequence derived f



1655



RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/885,731A

DATE: 02/05/2002

TIME: 14:02:25

Input Set : A:\SeqList.ST25.txt

Output Set: N:\CRF3\02052002\I885731A.raw

Does Not Comply
Corrected Diskette Needed

COPY

pp 1,3-4,6

3 <110> APPLICANT: Erikson, Glen
4 Daksis, Jasmine
5 Kandic, Ivana
6 Picard, Pierre
8 <120> TITLE OF INVENTION: NUCLEIC ACID MULTIPLEX FORMATION
10 <130> FILE REFERENCE: E1047/20056
12 <140> CURRENT APPLICATION NUMBER: 09/885,731A
13 <141> CURRENT FILING DATE: 2001-06-20
15 <150> PRIOR APPLICATION NUMBER: 09/664,827
16 <151> PRIOR FILING DATE: 2000-09-19
18 <150> PRIOR APPLICATION NUMBER: 09/613,263
19 <151> PRIOR FILING DATE: 2000-07-10
21 <150> PRIOR APPLICATION NUMBER: 09/468,679
22 <151> PRIOR FILING DATE: 1999-12-21
24 <160> NUMBER OF SEQ ID NOS: 15
26 <170> SOFTWARE: PatentIn version 3.0
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 50
30 <212> TYPE: DNA
c--> 31 <213> ORGANISM: Artificial/Unknown *invalid - see item 10 on Euro Summary Sheet*
33 <220> FEATURE:
34 <221> NAME/KEY: misc_feature
35 <223> OTHER INFORMATION: Description of Artificial Sequence: derived from exon 10 of
the h
36 uman cystic fibrosis gen gene?
39 <400> SEQUENCE: 1
40 tggcaccatt aaagaaaata tcattcttgg tgtttcctat gatgaatata 50
43 <210> SEQ ID NO: 2
44 <211> LENGTH: 50
45 <212> TYPE: DNA
c--> 46 <213> ORGANISM: Artificial/Unknown
48 <220> FEATURE:
49 <221> NAME/KEY: misc_feature
50 <223> OTHER INFORMATION: Description of Artificial Sequence: variant of sequence
derived f
51 rom exon 10 of the human cystic fibrosis gen
54 <400> SEQUENCE: 2
55 tggcaccatt aaagaaaata tcgtcttgg tgtttcctat gatgaatata 50
58 <210> SEQ ID NO: 3
59 <211> LENGTH: 50
60 <212> TYPE: DNA
c--> 61 <213> ORGANISM: Artificial/Unknown
63 <220> FEATURE:
64 <221> NAME/KEY: misc_feature

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/885,731A

DATE: 02/05/2002

TIME: 14:02:25

Input Set : A:\SeqList.ST25.txt

Output Set: N:\CRF3\02052002\I885731A.raw

140 <223> OTHER INFORMATION: Description of Artificial Sequence: variant of sequence
derived f
141 rom exon 10 of the human cystic fibrosis (gen)
144 <400> SEQUENCE: 8
145 gagcaccatg acagacactg tcgtctctgg tgtgtcctac gatgactctg 50
148 <210> SEQ ID NO: 9
149 <211> LENGTH: 50
150 <212> TYPE: DNA
C--> 151 <213> ORGANISM: (Artificial/Unknown)
153 <220> FEATURE:
154 <221> NAME/KEY: misc_feature
155 <223> OTHER INFORMATION: Description of Artificial Sequence: variant of sequence
derived f
156 rom exon 10 of the human cystic fibrosis (gen)
159 <400> SEQUENCE: 9
160 gagcaccatg acagacactg tcttctctgg tgtgtcctac gatgactctg 50
163 <210> SEQ ID NO: 10
164 <211> LENGTH: 50
165 <212> TYPE: DNA
C--> 166 <213> ORGANISM: (Artificial/Unknown)
168 <220> FEATURE:
169 <221> NAME/KEY: misc_feature
170 <223> OTHER INFORMATION: Description of Artificial Sequence: variant of sequence
derived f
171 rom exon 10 of the human cystic fibrosis (gen)
174 <400> SEQUENCE: 10
175 gagcaccatg acagacactg tcattcctgg tgtgtcctac gatgactctg 50
178 <210> SEQ ID NO: 11
179 <211> LENGTH: 50
180 <212> TYPE: DNA
C--> 181 <213> ORGANISM: (Artificial/Unknown)
183 <220> FEATURE:
184 <221> NAME/KEY: misc_feature
185 <223> OTHER INFORMATION: Description of Artificial Sequence: variant of sequence
derived f
186 rom exon 10 of the human cystic fibrosis (gen)
189 <400> SEQUENCE: 11
190 gagcaccatg acagacactg tcattcctgg tgtgtcctac gatgactctg 50
193 <210> SEQ ID NO: 12
194 <211> LENGTH: 50
195 <212> TYPE: DNA
C--> 196 <213> ORGANISM: (Artificial/Unknown)
198 <220> FEATURE:
199 <221> NAME/KEY: misc_feature
200 <223> OTHER INFORMATION: Description of Artificial Sequence: variant of sequence
derived f
201 rom exon 10 of the human cystic fibrosis (gen)
204 <400> SEQUENCE: 12
205 gagcaccatg acagacactg tactctctgg tgtgtcctac gatgactctg 50
208 <210> SEQ ID NO: 13
209 <211> LENGTH: 50
210 <212> TYPE: DNA
C--> 211 <213> ORGANISM: (Artificial/Unknown)

213 <220> FEATURE:

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/885,731A

DATE: 02/05/2002

TIME: 14:02:25

Input Set : A:\SeqList.ST25.txt

Output Set: N:\CRF3\02052002\I885731A.raw

66 rom exon 10 of the human cystic fibrosis (gen)
69 <400> SEQUENCE: 3
70 tggcaccatt aaagaaaata tactctttgg tgtttcctat gatgaatata 50
73 <210> SEQ ID NO: 4
74 <211> LENGTH: 50
75 <212> TYPE: DNA
C--> 76 <213> ORGANISM: (Artificial/Unknown)
78 <220> FEATURE:
79 <221> NAME/KEY: misc_feature
80 <223> OTHER INFORMATION: Description of Artificial Sequence: variant of sequence
derived f
81 rom exon 10 of the human cystic fibrosis (gen)
84 <400> SEQUENCE: 4
85 tggcaccatt aaagaaaata tacgctttgg tgtttcctat gatgaatata 50
88 <210> SEQ ID NO: 5
89 <211> LENGTH: 47
90 <212> TYPE: DNA
C--> 91 <213> ORGANISM: (Artificial/Unknown)
93 <220> FEATURE:
94 <221> NAME/KEY: misc_feature
95 <223> OTHER INFORMATION: Description of Artificial Sequence: variant of sequence
derived f
96 rom exon 10 of the human cystic fibrosis (gen)
99 <400> SEQUENCE: 5
100 tggcaccatt aaagaaaata tcattggtgt ttctatgat gaatata 47
103 <210> SEQ ID NO: 6
104 <211> LENGTH: 50
105 <212> TYPE: DNA
C--> 106 <213> ORGANISM: (Artificial/Unknown)
108 <220> FEATURE:
109 <221> NAME/KEY: misc_feature
110 <223> OTHER INFORMATION: Description of Artificial Sequence: variant of sequence
derived f
111 rom exon 10 of the human cystic fibrosis (gen)
114 <400> SEQUENCE: 6
115 gagcaccatg acagacactg tcattctctgg tgtgtcctac gatgactctg 50
118 <210> SEQ ID NO: 7
119 <211> LENGTH: 50
120 <212> TYPE: DNA
C--> 121 <213> ORGANISM: (Artificial/Unknown)
123 <220> FEATURE:
124 <221> NAME/KEY: misc_feature
125 <223> OTHER INFORMATION: Description of Artificial Sequence: variant of sequence
derived f
126 rom exon 10 of the human cystic fibrosis (gen)
129 <400> SEQUENCE: 7
130 gagcaccatg acagacactg tcattctttgg tgtgtcctac gatgactctg 50
133 <210> SEQ ID NO: 8
134 <211> LENGTH: 50
135 <212> TYPE: DNA
C--> 136 <213> ORGANISM: (Artificial/Unknown)
138 <220> FEATURE:
139 <221> NAME/KEY: misc_feature

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/885,731A

DATE: 02/05/2002

TIME: 14:02:25

Input Set : A:\SeqList.ST25.txt

Output Set: N:\CRF3\02052002\I885731A.raw

214 <221> NAME/KEY: misc_feature
215 <223> OTHER INFORMATION: Description of Artificial Sequence: variant of sequence
derived f
216 rom exon 10 of the human cystic fibrosis (gen)
219 <400> SEQUENCE: 13
220 gagcaccctc ccaggcacgg tcgtccctgg tgcgacctcc gacgagcgtg 50
223 <210> SEQ ID NO: 14
224 <211> LENGTH: 50
225 <212> TYPE: DNA
C--> 226 <213> ORGANISM: (Artificial/Unknown)
228 <220> FEATURE:
229 <221> NAME/KEY: misc_feature
230 <223> OTHER INFORMATION: Description of Artificial Sequence: variant of sequence
derived f
231 rom exon 10 of the human cystic fibrosis (gen)
234 <400> SEQUENCE: 14
235 gagcaccctc ccaggcacgg tcattccctgg tgcgacctcc gacgagcgtg 50
238 <210> SEQ ID NO: 15
239 <211> LENGTH: 50
240 <212> TYPE: DNA
C--> 241 <213> ORGANISM: (Artificial/Unknown)
243 <220> FEATURE:
244 <221> NAME/KEY: misc_feature
245 <223> OTHER INFORMATION: Description of Artificial Sequence: variant of sequence
derived f
246 rom exon 10 of the human cystic fibrosis (gen)
249 <400> SEQUENCE: 15
250 gagcaccctc ccaggcacgg tattccctgg tgcgacctcc gacgagcgtg 50



VERIFICATION SUMMARY

PATENT APPLICATION: US/09/885,731A

DATE: 02/05/2002

TIME: 14:02:26

Input Set : A:\SeqList.ST25.txt

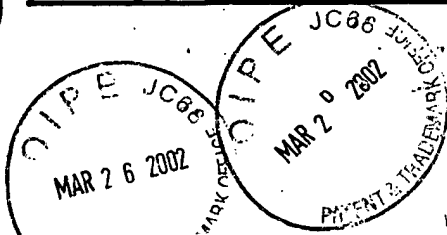
Output Set: N:\CRF3\02052002\I885731A.raw

L:31 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1
L:46 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
L:61 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:76 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4
L:91 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5
L:106 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6
L:121 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7
L:136 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:8
L:151 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:9
L:166 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:10
L:181 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:11
L:196 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:12
L:211 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:13
L:226 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:14
L:241 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:15



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov



**ATTACHMENT TO "NOTICE TO COMPLY WITH
REQUIREMENTS...SEQUENCE DISCLOSURES"**

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be submitted using one of the following methods:

1. Electronically submitted through EFS-Bio
(<http://www.uspto.gov/ebs/efs/downloads/documents.htm>, EFS Submission User Manual - ePAVE)
2. Mailed to:
U.S. Patent and Trademark Office
Box Sequence, P.O. Box 2327
Arlington, VA 22202
3. Mailed by Federal Express, United Parcel Service or other delivery service to:
U. S. Patent and Trademark Office
2011 South Clark Place
Customer Window, Box Sequence
Crystal Plaza Two, Lobby, Room 1B03
Arlington, Virginia 22202
4. Hand Carried directly to the Customer Window at:
2011 South Clark Place
Crystal Plaza Two, Lobby, Room 1B03, Box Sequence,
Arlington, Virginia 22202